



8/5/99 ✓

August 5, 1999

Mr. Brad Bradley
Remedial Project Manager
U.S. Environmental Protection Agency
77 West Jackson
Chicago, IL 60604

EPA Region 5 Records Ctr.



257853

RE: Final Taracorp Cap Design Modifications: Retaining wall and geogrid elimination.

Dear Mr. Bradley:

This letter is to confirm U.S. EPA acceptance of final cap design modifications proposed by ENTACT.

As discussed during the weekly teleconference call on July 19th, 1999, "the volume of material added to the cell was less than expected, and the toe of the cap will be at grade. Therefore, retaining walls will not be required to contain the waste in the landfill cell."

In addition, the final elevation of the cell will be equal to or less than originally proposed in the ACOE March 1997 Design Specifications and agreed to by the City of Granite City. Further, the side slopes will be no greater than 4:1, which was also a specification in the ACOE March 1997 Design Specifications.

ENTACT performed Interface Friction Angle Tests between each soil to geosynthetic material, and each material to material interface as part of the required submittals in the ACOE March 1997 Design Specifications.

The results of these tests were summarized in a July 20, 1999, letter to Ed Abat and attached herein.

The interface friction angle test results between the select fill and the geogrid were compared to the results from the select fill and the geocomposite layer. This comparison caused ENTACT to conclude that the geocomposite drainage layer provides slope stability which greatly exceeds the minimum as described in the ACOE March 1997 Design Specifications. Therefore, the geogrid layer was deemed to be unnecessary.

On the morning of August 2, 1999, ENTACT received an e-mail from Ed Abat stating that the

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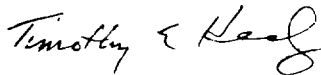
Corp's engineers had reviewed the data and concluded that the geogrid layer should remain as part of the design for the cell cover system. Shortly thereafter, I spoke with Larry Boardman of the ACOE Omaha District, to gain an understanding as to how the engineer had come to his conclusion. Mr. Boardman said that he would investigate the matter and get back to me.

On the afternoon of August 4, 1999, I spoke to Mr. Boardman, and he informed me that he had sent an e-mail to Ed Abat informing him that the ACOE Omaha District agreed that the geogrid layer was unnecessary. I then spoke with Ed Abat who informed me that he had received this information from the Omaha District and had forwarded it to your attention. He also informed me that the final decision regarding elimination of the geogrid was your decision.

I then contacted you on the afternoon of August 4, 1999, to inform you that we had a truckload of geogrid at the Granite City site ready to be unloaded. I informed you that given the latest information from the ACOE, I was requesting permission to eliminate the geogrid layer from the final cell cover system. You verbally granted approval and requested that I document our discussion in a letter to your attention.

Please contact me at (630) 616-2100 if you have any questions and thank you for your efficient decision making.

Sincerely,



Timothy E. Healy

enclosures: (1)

cc: Charlie Settles, ACOE
Ed Abat, ACOE
Bob Rogers, IEPA
Jeff Leed, Leed Environmental
Granite City Field Office